

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SG2004/000366

A. CLASSIFICATION OF SUBJECT MATTER																						
Int. Cl. ⁷ : H04N 1/415, 1/64, G06T 9/00																						
According to International Patent Classification (IPC) or to both national classification and IPC																						
B. FIELDS SEARCHED																						
Minimum documentation searched (classification system followed by classification symbols)																						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched																						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) DWPI, PCT, USPTO (document segmentation, page segmentation, image segmentation, template, character, text, wavelet, SAQ, zerotree, etc.)																						
C. DOCUMENTS CONSIDERED TO BE RELEVANT																						
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.																				
Y	US 5,778,092 A (MACLEOD et al), 7 July 1998 the whole document	1-15																				
Y	US 5,778,095 A (DAVIES), 7 July 1998 the whole document	1-15																				
A	EP 0 713 329 A1 (XEROX CORPORATION), 22 May 1996 the whole document	1-15																				
A	US 6,324,305 B1 (HOLLADAY et al), 27 November 2001 the whole document	1-15																				
<input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C		<input checked="" type="checkbox"/> See patent family annex																				
<p>* Special categories of cited documents:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%; vertical-align: top;">"A"</td> <td>document defining the general state of the art which is not considered to be of particular relevance</td> <td style="width: 15%; vertical-align: top;">"T"</td> <td>later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</td> </tr> <tr> <td>"E"</td> <td>earlier application or patent but published on or after the international filing date</td> <td>"X"</td> <td>document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</td> </tr> <tr> <td>"L"</td> <td>document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</td> <td>"Y"</td> <td>document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</td> </tr> <tr> <td>"O"</td> <td>document referring to an oral disclosure, use, exhibition or other means</td> <td>"&"</td> <td>document member of the same patent family</td> </tr> <tr> <td>"P"</td> <td>document published prior to the international filing date but later than the priority date claimed</td> <td></td> <td></td> </tr> </table>			"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	"E"	earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	"L"	document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family	"P"	document published prior to the international filing date but later than the priority date claimed		
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"P"	document published prior to the international filing date but later than the priority date claimed																					
Date of the actual completion of the international search 22 December 2004	Date of mailing of the international search report 10 JAN 2005																					
Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929	Authorized officer MATTHEW HOLLINGWORTH Telephone No : (02) 6283 2024																					

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International application No. PCT/SG2004/000366

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,163,625 A (NG et al), 19 December 2000 the whole document	1-15
A	US 5,392,362 A (KIMURA et al), 21 February 1995 the whole document	1-15
A	G. E. Kopec et al, <i>Document-Specific Character Template Estimation</i> Proc. SPIE Document Recognition III, 1996, pp. 14-26 http://www2.parc.com/istl/members/kopec/spie-96-cte.pdf	1-15
A	J. Li et al, <i>Context-Based Multiscale Classification of Document Images Using Wavelet Coefficient Distributions</i> IEEE Transactions on Image Processing, September 2000, Vol. 9, No. 9 http://www.stanford.edu/group/compression/publications/jiali/docseg.pdf	1-15
A	R. de Queiroz et al, <i>Mixed Raster Content (MRC) Model for Compound Image Compression</i> Proc. IS&T/SPIE Symposium on Electronic Imaging, Visual Communications and Image Processing, 1999, pp. 1106-17 http://queiroz.lab.unb.br/papers/ei99mrc.pdf	1-15
A	<i>WDIC – Wavelet-Based Document Image Compression</i> , as archived on 22 February 2002 http://web.archive.org/web/20020422002439/www.cwaip.nus.edu.sg/demo/wdic.htm	1-15

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG2004/000366

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report			Patent Family Member				
US	5778092	NONE					
US	5778095	JP 9198511					
EP	0713329	JP 8228282	US	6157736	US	6298151	
		US 6389163					
US	6324305	BR 9907399	BR	9907400	EP	1006711	
		EP 1006714	EP	1006715	EP	1006716	
		EP 1006717	JP	2000175051	JP	2000175052	
		JP 2000175053	JP	2000196893	JP	2000196895	
		US 6373981	US	6400844	US	2001000314	
		US 2001000710	US	2001000711			
US	6163625	NONE					
US	5392362	JP 6152985					

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX